

U.S. Patent Application No. 09/904,319
Reply to Office Action dated August 25, 2006

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IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A recording and reproducing apparatus comprising:

an input element supplied with video signals;

a recording element for recording said video signals input through said input element onto a storage medium;

a reproducing element for reproducing said video signals from said storage medium;

a processing element for generating display-ready video signals on the basis of video monitor image signals supplied by said input element and/or on the basis of the reproduced video signals furnished by said reproducing element; and

a controlling element for selectively activating, by a single operation of a user, any one of a recording monitor image, a dual-screen display image made of a recording monitor image and a playback image, and a playback image alone,

wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of said playback image,

wherein the display-ready video signals of said recording monitor image have a transfer rate higher than a bit rate of the display-ready video signals of said playback image, and

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wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

2. (Previously Presented) A recording and reproducing apparatus according to claim 1, wherein said processing element generates a display screen indicative of a screen monitor image being selected when said dual-screen display image is currently on display.

3. (Currently Amended) A recording and reproducing apparatus comprising:
an input element supplied with video signals;
a recording element for recording said video signals input through said input element onto a storage medium;
a reproducing element for reproducing said video signals from said storage medium; a processing element for generating display-ready video signals on the basis of video monitor image signals supplied by said input element and/or on the basis of the reproduced video signals furnished by said reproducing element; and
a controlling element for making operations of a user effective on one of a recording monitor image and a playback image constituting a dual-screen display,
wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of said playback image,
wherein the display-ready video signals of said recording monitor image have a transfer rate higher than a bit rate of the display-ready video signals of said playback image, and

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wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

4. (Original) A recording and reproducing apparatus according to claim 3, wherein said controlling element causes said processing element to enlarge the currently selected image on display.

5. (Currently Amended) A recording and reproducing apparatus comprising:
an input element supplied with video signals;
a recording element for recording said video signals input through said input element onto a storage medium;
a reproducing element for reproducing said video signals from said storage medium;
a processing element for generating display-ready video signals on the basis of video monitor image signals supplied by said input element and/or on the basis of the reproduced video signals furnished by said reproducing element; and
a controlling element which, when a follow-up playback is catching up with an on-air recording, then activates a full-screen display of a recording monitor image while giving a sign indicating that said recording monitor image is now activated and on full-screen display,
wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of a playback image,

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wherein the display-ready video signals of said recording monitor image have a transfer rate higher than a bit rate of the display-ready video signals of said playback image, and

wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

6. (Currently Amended) A recording and reproducing apparatus comprising:
- an input element supplied with video signals;
 - a recording element for recording said video signals input through said input element onto a storage medium;
 - a reproducing element for reproducing said video signals from said storage medium;
 - a processing element for generating display-ready video signals constituting a recording monitor image and a playback image in a dual-screen display, on the basis of video monitor image signals supplied by said input element as well as on the basis of the reproduced video signals furnished by said reproducing element; and
 - a controlling element for giving a sign indicative of ongoing recording near said recording monitor image, and another sign indicative of ongoing playback near said playback image.

wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of said playback image,

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wherein the display-ready video signals of said recording monitor image have a transfer rate higher than a bit rate of the display-ready video signals of said playback image, and

wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

7. (Original) A recording and reproducing apparatus according to claim 6, wherein, when recording is stopped, then said sign indicative of ongoing recording is erased.

8. (Original) A recording and reproducing apparatus according to claim 6, wherein, when playback is stopped through an operation by a user, then said sign indicative of ongoing playback is replaced by another sign indicative of a pause, with said playback image turned into a still image.

9. (Currently Amended) A recording and reproducing method comprising the steps of:

recording input video signals onto a storage medium;

reproducing the video signals from said storage medium;

generating display-ready video signals on the basis of video monitor image

signals derived from said input video signals and/or on the basis of the reproduced video signals;

and

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selectively activating, by a single operation of a user, any one of a recording monitor image, a dual-screen display image made of a recording monitor image and a playback image, and a playback image alone,

wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of said playback image,

wherein the display-ready video signals of said recording monitor image have a transfer rate higher than a bit rate of the display-ready video signals of said playback image, and

wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

10. (Currently Amended) A recording and reproducing method comprising the steps of:

recording input video signals onto a storage medium;

reproducing the video signals from said storage medium;

generating display-ready video signals on the basis of video monitor image

signals derived from said input video signals and/or on the basis of the reproduced video signals;

and

making operations of a user effective on one of a recording monitor image and a playback image constituting a dual-screen display,

wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of said playback image,

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wherein the display-ready video signals of said recording monitor image
have a transfer rate higher than a bit rate of the display-ready video signals of said playback
image, and

wherein said recording and reproducing to and from the storage medium
occurs substantially simultaneously.

11. (Currently Amended) A recording and reproducing method comprising
the steps of:
recording input video signals onto a storage medium;
reproducing the video signals from said storage medium;
generating display-ready video signals on the basis of video monitor image
signals derived from said input video signals and/or on the basis of the reproduced video signals;
and

when a follow-up playback is catching up with an on-air recording, then
activating a full-screen display of a recording monitor image while giving a sign indicating that
said recording monitor image is now activated and on full-screen display,

wherein the display-ready video signals of said recording monitor image
are independent of the display-ready video signals of a playback image,

wherein the display-ready video signals of said recording monitor image
have a transfer rate higher than a bit rate of the display-ready video signals of said playback
image, and

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wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

12. (Currently Amended) A recording and reproducing method comprising the steps of:

- inputting video signals;
- recording input video signals onto a storage medium;
- reproducing the video signals from said storage medium;
- generating display-ready video signals constituting a recording monitor image and a playback image in a dual-screen display, on the basis of video monitor image signals derived from said input video signals as well as on the basis of the reproduced video signals; and
- giving a sign indicative of ongoing recording near said recording monitor image, and another sign indicative of ongoing playback near said playback image,

wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of said playback image,

wherein the display-ready video signals of said recording monitor image have a transfer rate higher than a bit rate of the display-ready video signals of said playback image, and

wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

13. (Currently Amended) A program storage medium which stores a program for causing a computer to execute the steps of:

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recording input video signals onto a storage medium;
reproducing the video signals from said storage medium;
generating display-ready video signals on the basis of video monitor image
signals derived from said input video signals and/or on the basis of the reproduced video signals;
and

selectively activating, by a single operation of a user, any one of a recording
monitor image, a dual-screen display image made of a recording monitor image and a playback
image, and a playback image alone,

wherein the display-ready video signals of said recording monitor image
are independent of the display-ready video signals of said playback image,

wherein the display-ready video signals of said recording monitor image
have a transfer rate higher than a bit rate of the display-ready video signals of said playback
image, and

wherein said recording and reproducing to and from the storage medium
occurs substantially simultaneously.

14. (Currently Amended) A program storage medium which stores a program
for causing a computer to execute the steps of:

recording input video signals onto a storage medium;
reproducing the video signals from said storage medium;
generating display-ready video signals on the basis of video monitor image
signals derived from said input video signals and/or on the basis of the reproduced video signals;
and

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making operations of a user effective on only selected one of a recording monitor image and a playback image constituting a dual-screen display,

wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of said playback image,

wherein the display-ready video signals of said recording monitor image have a transfer rate higher than a bit rate of the display-ready video signals of said playback image, and

wherein said recording and reproducing to and from the storage medium occurs substantially simultaneously.

15. (Currently Amended) A program storage medium which stores a program for causing a computer to execute the steps of:

recording input video signals onto a storage medium;

reproducing the video signals from said storage medium;

generating display-ready video signals on the basis of video monitor image signals derived from said input video signals and/or on the basis of the reproduced video signals; and

when a follow-up playback is catching up with an on-air recording, then activating a full-screen display of a recording monitor image while giving a sign indicating that said recording monitor image is now activated and on full-screen display,

wherein the display-ready video signals of said recording monitor image are independent of the display-ready video signals of a playback image,

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wherein the display-ready video signals of said recording monitor image
have a transfer rate higher than a bit rate of the display-ready video signals of said playback
image, and

wherein said recording and reproducing to and from the storage medium
occurs substantially simultaneously.

16. (Currently Amended) A program storage medium which stores a program
for causing a computer to execute the steps of:

recording input video signals onto a storage medium;

reproducing the video signals from said storage medium;

generating display-ready video signals constituting a recording monitor image and
a playback image in a dual-screen display, on the basis of video monitor image signals derived
from said input video signals as well as on the basis of the reproduced video signals; and

giving a sign indicative of ongoing recording near said recording monitor image,
and another sign indicative of ongoing playback near said playback image,

wherein the display-ready video signals of said recording monitor image
are independent of the display-ready video signals of said playback image,

wherein the display-ready video signals of said recording monitor image
have a transfer rate higher than a bit rate of the display-ready video signals of said playback
image, and

wherein said recording and reproducing to and from the storage medium
occurs substantially simultaneously.